

Grade 4 Academic Standards

Unit 5 Lesson

Science

Standard 1 The Nature of Science and Technology

Technology and Science

- 4.1.5 Demonstrate how measuring instruments, such as microscopes, telescopes, and cameras, can be used to gather accurate information for making scientific comparisons of objects and events. Note that measuring instruments, such as rulers, can also be used for designing and constructing things that will work properly.
- 4.1.8 Recognize and explain that any invention may lead to other inventions.
- 4.1.9 Explain how some products and materials are easier to recycle than others.

Standard 2 Scientific Thinking

Critical Response Skills

- 4.2.7 Identify better reasons for believing something than “Everybody knows that...” or “I just know” and discount such reasons when given by others.

Standard 4 The Living Environment

Human Identity

- 4.4.7 Describe that human beings have made tools and machines, such as x-rays, microscopes, and computers, to sense and do things that they could not otherwise sense or do at all, or as quickly, or as well.

Standard 5 The Mathematical World

Reasoning and Uncertainty

- 4.5.5 Explain how reasoning can be distorted by strong feelings.

Unit 5 - Activities 6 satisfies the following Indiana academic standards:

Science

4.3.2 Begin to investigate and explain that air is a substance that surrounds us, takes up space, and whose movements we feel as wind.